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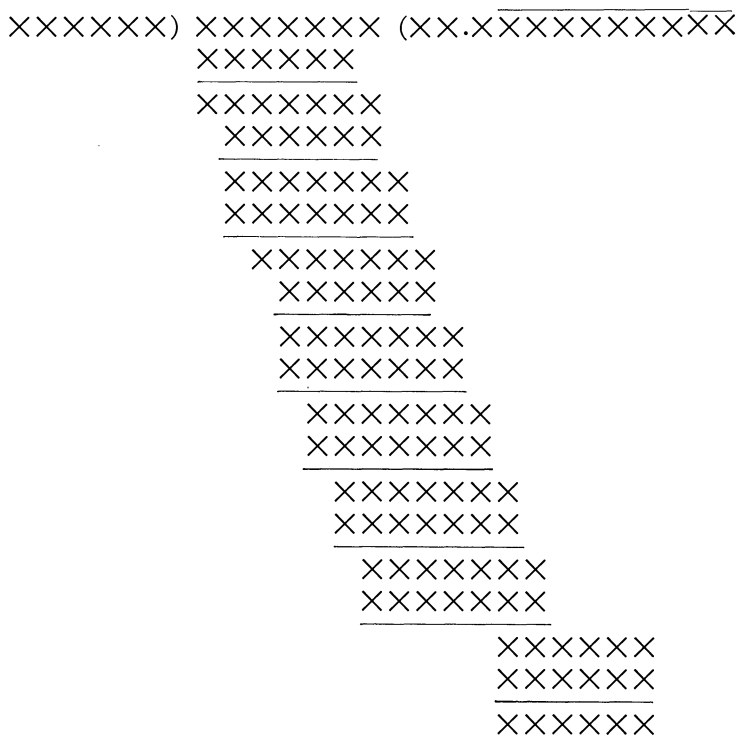
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PROBLEMS—NOTES.

16. Skeleton Division. This note may be regarded as a continuation of note 2 (*1921*, 37). In *Nieuw Tijdschrift voor Wiskunde*, volume 8, 1920–21, Professor F. Schuh, of Delft, proposed (page 64) two arithmetical puzzles; one of them is herewith reproduced.

"The following calculation represents the development of an irreducible fraction to a repeating decimal:



Crosses indicate digits—all of which are possible. The repeating digits are shown by a line over the crosses. What irreducible fraction has been developed?"

ARC.

17. Curves of Pursuit (Compare *1921*, 54–61, 91–97, 184–185). I see that the AMERICAN MATHEMATICAL MONTHLY has been interesting itself in early examples of the Curve of Pursuit. Perhaps some of its readers may like these notes on four examples of it which appeared in England before 1750.

The general problem of the form of the curve, the pursued travelling in a straight line, is discussed in T. Simpson's *New Treatise of Fluxions*, London, 1737, p. 170, that is five years after the appearance of Bouguer's memoir.

A problem on it, by Robert Heath, appeared in *Ladies Diary*, 1742 and 1743 (Leybourn's reprint, vol. 1, p. 323), in the following form: "Admiral Vernon